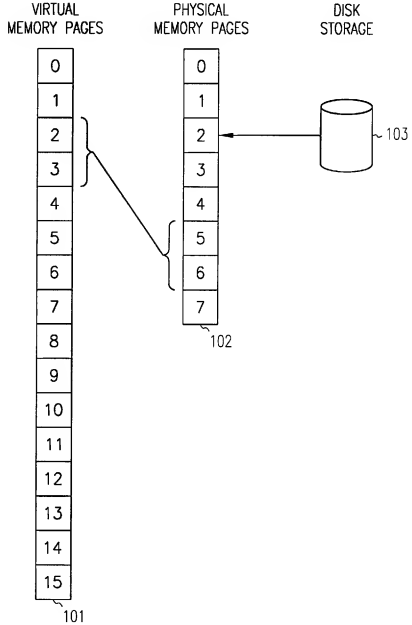
VIRTUAL MEMORY PAGES
PHYSICAL MEMORY PAGES
DISK STORAGE
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
101
0
1
2
3
4
5
6
7
102
103

FIG. 1

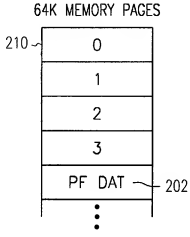

FIG. 2

PF DAT

PAGE	0	1	2	3	4	5	6	
FREE BIT	0	1	0	0	1	1	•••	

FIG. 3

64-BIT WORD

0	0	1	0	0	1	1	•••

FIG. 4

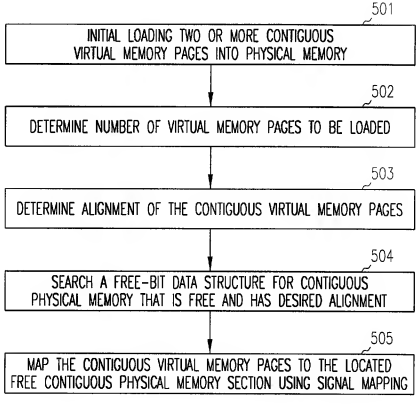
501
INITIAL LOADING TWO OR MORE CONTIGUOUS VIRTUAL MEMORY PAGES INTO PHYSICAL MEMORY
502
DETERMINE NUMBER OF VIRTUAL MEMORY PAGES TO BE LOADED
503
DETERMINE ALIGNMENT OF THE CONTIGUOUS VIRTUAL MEMORY PAGES
504
SEARCH A FREE-BIT DATA STRUCTURE FOR CONTIGUOUS PHYSICAL MEMORY THAT IS FREE AND HAS DESIRED ALIGNMENT
505
MAP THE CONTIGUOUS VIRTUAL MEMORY PAGES TO THE LOCATED FREE CONTIGUOUS PHYSICAL MEMORY SECTION USING SIGNAL MAPPING

FIG. 5